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# CONNECTION

## Information for Teachers

ALBERTA EDUCATION

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*Connection* is a publication of the Student Programs and Evaluation Division.

### ECS-GRADE 12 CURRICULUM AND RESOURCES

#### Computer Materials

##### **French Language Programs**

The following resources are authorized for elementary Grades 4–6 and junior high school classes and are available from the LRDC:

##### **Basic Resource**

- *Dactylo plus — Version étudiant* (IBM Version 2.3) Software (Éditions FM) Keyboarding.

##### **Teaching Resource**

- *Dactylo plus — Version maître* (IBM Version 2.3) Software (Éditions FM) Keyboarding.

For more information, contact René Mathieu at 427–2940.

#### English as a Second Language

A bibliography of current supplementary learning materials has been prepared to replace the current published

listing of resources. *English as a Second Language: An Annotated Bibliography of Learning Resources* will be available shortly from the LRDC.

For more information, contact Elaine Harasymiw at 427–2940.

#### French as a Second Language

##### **Examples of Student Work Document for French as a Second Language**

The Language Services Branch is collecting samples of student work at the **Beginning**, **Intermediate** and **Advanced** levels in French as a Second Language, including comprehension (listening and reading texts) and production texts (oral expression and writing texts) for publication in the fall of 1993.

##### **Student Evaluation Resources in French as a Second Language**

The Language Services Branch is preparing a model test for each of **Beginning** levels 1, 2 and 3 and **Intermediate** levels 4, 5 and 6 (six tests in total). These tests are for students from 9 to 15 years of age,

Grades 4 to 9. The Language Services Branch will be validating these tests in Alberta schools in the spring of 1993.

For more information, contact Wally Lazaruk at 427–2940.

#### Guide to Education

The *Guide to Education: Elementary School Handbook* and the *Guide to Education: Junior High School Handbook* will be combined into the *Guide to Education: ECS to Grade 9 Handbook*. The first combined handbook is effective the 1993–94 and 1994–95 school years.

For more information, contact John Blevins at 422–4872.

#### Program of Studies

A new section will be added to the Program of Studies for all subject areas and levels. This section entitled *Curriculum Standards: Illustrations of Levels* will provide examples of student work that illustrate the level of skill and knowledge expected for each level of performance described in the specific learner expectation. Development work is underway in several subject areas.

## Special Education

The following teaching resource is now available from the LRDC:

- *Alberta Career Events: A Planning Guide and Workbook for Counsellors and Teachers* (Education Response Centre). This document is a planning guide and a workbook for school counsellors and teachers that will provide an overview of how to plan and host a major career event. The strategies and recommendations contained in this guide have been compiled from many successful career events held throughout the province over several years.

For more information, contact Frank Josey at 422-6326.

The following teaching resources are available from the Education Response Centre:

- *Alberta Child Development Newsletter*. This newsletter provides information about child development with a particular focus on the developmentally disabled child. The January 1993 (Volume 2, Number 1) issue is entitled *Preventive Dental Care*. (Produced by the Glenrose Rehabilitation Hospital and the Education Response Centre.)

For more information, contact Grace LeBlanc at 422-6326.

- *Students with Challenging Needs: Updated Facts and Figures 1992*. This report presents the results of a survey completed in 1991 by educational personnel in school jurisdictions, ECS private operators and private schools across the province. The purpose of the survey was to consolidate

information on the relative incidence of students with special needs receiving educational programs in Alberta. This report summarizes those results and provides a provincial perspective on the status of exceptional students (Education Response Centre).

For more information, contact Jim McClellan at 422-6326.

## **ECS-ELEMENTARY CURRICULUM AND RESOURCES**

### Accommodating Differences Manual

- *Every Child Can Learn: Accommodating Differences in Elementary Schools*. This manual was developed by the staff of Fort McMurray Catholic Schools under the direction of Phyllis Geddert, illustrating the efforts of teachers on behalf of their students. Complimentary copies were sent to all superintendents and ECS private operators. Additional copies are available from the LRDC.

For more information, contact Susan Lynch at 427-2984.

### Supplement to the Diagnostic Reading Program

This teaching resource, developed by the Student Evaluation Branch, is currently being field tested in Alberta schools. The material demonstrates the links between the new Language Learning Program of Studies and the

Diagnostic Reading Program. The supplement provides a system for understanding the reading process and for gathering and analyzing information about students' reading. It will be especially useful during regular instructional activities.

For more information, contact Darlene Montgomery or Beverley Nugent at 427-0010.

## English Language Learning

The November Supplement of the *Buyers Guide* lists the latest authorized resources. Review of both teaching and learning resources is continuing and authorizations will continue over the next several months.

- *Curriculum Standards: Illustrations of Levels*. This is a new section of the *Program of Studies: Elementary Schools*. It is intended to help clarify what is expected at each level and the progression from level to level. *Language Learning, Illustrations of Levels* is in both video and print formats. The print portion is in the final stages of production and will be sent to schools upon completion. The video portion is part of the *Language Learning Series*. A viewer's guide to accompany this video will soon be available through ACCESS Network.

Three Language Learning videos are now available through ACCESS Network. The latest is *Language Learning: Levels of Performance*. The viewer's guide to accompany the first two videos in the series is now ready and available from ACCESS Network.



For more information, contact  
Lynn Bryan at 427-2984.

## Français and French Language Arts

### **Immersion Program**

The following resources are authorized for the immersion program and are available from the LRDC:

### **Basic Resources**

- *Français 5 — Libellule et Papillon, messagers* — Recueil de textes (Lidec Inc.)  
1<sup>ère</sup> partie — Immersion  
2<sup>e</sup> partie — Immersion
- *Français 5 — Libellule et Papillon à l'atelier* — Cahier à reproduire (Lidec Inc.)  
1<sup>ère</sup> partie — Immersion  
2<sup>e</sup> partie — Immersion.

These two documents are the blackline masters of the *Cahiers d'activités 1 et 2* which are already authorized.

### **Support Resource (Grades 1-3)**

- *Collection Soleil, Niveau un, séries A à J*  
(Ginn Publishing Canada Inc.).

### **Teaching Resources**

- *Français 5 — Guide pédagogique* (Lidec Inc.)  
1<sup>ère</sup> partie — Immersion  
2<sup>e</sup> partie — Immersion
- *Collection Soleil — Du soleil dans la classe* — Niveau un  
(Ginn Publishing Canada Inc.).

For more information, contact  
Alain Nogue at 427-2940.

## Mathematics

The revised elementary mathematics program is scheduled for provincial implementation in September 1994. Work is continuing on the *Curriculum Standards: Illustrations of Levels* through the development of sets of problems, solutions and samples of students' work. A letter was sent to publishers in January requesting submissions for ECS/Elementary mathematics resources. It is expected that more authorizations will be completed in 1993.

Five 15-minute videos are being produced at ACCESS Network to highlight components of the revised elementary mathematics curriculum. Evaluation strategies will be interwoven throughout the videos. The topics are:

- Motivational Interest — generated by seeing students actively involved in the process of learning mathematics
- Problem Solving — exemplified as mathematical concepts are introduced and applied in a problem-solving setting
- Manipulatives — using concrete objects to develop and demonstrate understanding of mathematics
- Estimation — discussion of various types including number, measurement and computation
- Data Management — collecting, displaying and interpreting data with probability integrated.

These videos are expected to be available in the summer of 1993.

For more information, contact  
Mary Anne Nissen or Jenny Crane at 427-2984.

## Mathematics (French)

The following are authorized as teaching resources for both the francophone and immersion programs and are available from the LRDC:

- *La pensée en éveil — Aux aguets*
  - Classification
  - Établissement de correspondances
  - Sériation
  - Observation
  - Habiletés de la pensée. Guide pédagogique et activités de manipulation à l'intention du cycle primaire (Exclusive) Grades 1-3
- *L'apprentissage actif — Jouons avec les formes* (Exclusive) Grades 1-3
- *L'apprentissage actif — 101 façons à réussir en base dix* — Niveau primaire (Exclusive) Grades 1-6
- *L'apprentissage actif — Le livre complet de "Cube-A-Link" avec géoformes* (Exclusive) K-4
- *L'apprentissage actif — Pièces géométriques* (Exclusive) Grades 4-6
- *L'apprentissage actif — Le livre complet de "Cube-A-Link" — Activités pour 5<sup>e</sup>-8<sup>e</sup> années* (Exclusive) Grades 5-6
- *L'apprentissage actif — Pièces géométriques, 6<sup>e</sup>-8<sup>e</sup> années* (Exclusive) Grade 6.

For more information, contact Ghislaine Lavergne at 427-2940.

## Physical Education (French)

The following resource is authorized and available from the LRDC:

### **Teaching Resource (Grades 1-3)**

- *Habilités motrices fondamentales* (Education Manitoba).

For more information, contact Ghislaine Lavergne at 427-2940.

## Science

A draft of the revised science component of the *Program of Studies: Elementary Schools* was mailed to all elementary schools in January. A response guide was included in each package. A sample of 12 jurisdictions was specifically asked to respond, but any interested school or individual is welcome to send their comments.

Development work is beginning on the *Curriculum Standards: Illustrations of Levels* for the science component of the program.

ACCESS Network is nearing completion of a video resource for teachers intended to assist them in implementing inquiry-based science instruction.

For more information, contact Al McGillis or Jenny Crane at 427-2984.

## Science (French)

The following are authorized for both the francophone and immersion programs and are available from the LRDC:

### **Basic Resources**

- *Sciences en marche 5* (Maxwell Macmillan Canada) Grade 5
- *Sciences en marche 6* (Maxwell Macmillan Canada) Grade 6.

### **Support Resources**

- *Sciences en marche 3* — Cartes pour centre d'activités (Maxwell Macmillan Canada) Grade 3
- *Sciences en marche 5* — Cartes pour centre d'activités (Maxwell Macmillan Canada) Grade 5
- *Sciences en marche 6* — Cartes pour centre d'activités (Maxwell Macmillan Canada) Grade 6.

### **Teaching Resources**

- *Sciences en marche 1* — Ressources de l'enseignant(e) (Maxwell Macmillan Canada) Grade 1
- *Sciences en marche 2* — Ressources de l'enseignant(e) (Maxwell Macmillan Canada) Grade 2.

For more information, contact Ghislaine Lavergne at 427-2940.

## Social Studies

A new section of the social studies component of the

*Program of Studies: Elementary Schools*, entitled *Curriculum Standards: Illustrations of Levels* is in the early stages of development.

The following resources are authorized and available from the LRDC:

### **Basic Resources (Grade 6, Topic B)**

- *Greece: Discovering the Past* (Reidmore Books)
- *Life in Ancient Greece* (Plains Publishing).

### **Teaching Resources (Grade 4, Topic A)**

- *Alberta, Our Province: Teacher Guide* (Weigl Educational Publishers).

Resources for Topic 4B, Topic 6B and Topics 4A/B/C (Alberta Wall Maps only) are currently under consideration.

For more information, contact Jenny Crane at 427-2984.

## Social Studies (French)

The following are authorized and available from the LRDC:

### **Teaching Resources**

- *Études sociales — Guide d'enseignement élémentaire 1-6* — Francophone (Language Services Branch)
- *Études sociales — Guide d'enseignement élémentaire 1-6* — Immersion (Language Services Branch).

For more information, contact Alain Nogue at 427-2940.

# JUNIOR–SENIOR HIGH SCHOOL CURRICULUM AND RESOURCES

## Art

- *Contemporary Canadian Painting, Parts 1 and 2 and Teacher Notes* (Mead/School Services of Canada) is authorized as a support resource for junior and senior high school art.

These programs present an overview of the major trends in contemporary Canadian painting (abstract expressionism, hard-edge, colour field, impressionism, expressionism, high realism). Many dominant figures in contemporary Canadian painting are covered and their work is placed within the movement.

The resource is authorized for Art 7, 8, 9; Art 10–20–30; and Art 11–21–31. It is available from ACCESS Network.

- The videodisc *Sightlines: A Visual Encyclopedia for the Arts, Sciences and Humanities*, is now being formatted into a new CD-ROM program by Discmore Productions Inc. Production of the computer interactive disc is expected to be completed soon. It will be useful in the secondary art program as well as other subject areas. It is available from the LRDC (Alberta Education).

For more information, contact Mary Lyseng at 427–2939.

## Art (French)

The following English titles are authorized as basic for use in French language classrooms and are available from the LRDC:

- *Sightlines: A Visual Encyclopedia for the Arts, Sciences and Humanities*, laserdisc, mini catalogue and detailed catalogue (Alberta Education)
- *Art 11: Distance Education Booklet of Reproductions* (Alberta Education).

For more information, contact René Mathieu at 427–2940.

## Français and French Language Arts

The following is authorized as a teaching resource for both Français and French Language Arts programs and is available from the LRDC:

- *Exploitation du roman et de la pièce de théâtre — Guide d'utilisation et activités ouvertes d'apprentissage — Secondaire premier cycle* (Language Services Branch).

For more information, contact Alain Nogue at 427–2940.

## French as a Second Language

### **Annotated Bibliography of Learning Resources**

The annotated listing of learning resources for the **Intermediate** 4, 5 and 6 levels, including resources for the new French 20 and new French 30 courses will be available from the LRDC in the spring of 1993.

## **Student Evaluation Resources**

The Language Services Branch is in the process of finalizing a sample model test at the **Beginning** level (French 10) and a sample model test at the **Intermediate** level (French 30). These tests will be available in the spring of 1993 from the LRDC.

For more information, contact Wally Lazaruk at 427–2940.

## Health and CALM 20

### **Family and Relationship Violence**

Workshops to address the topic of family and relationship violence with Junior High Health and Personal Life Skills teachers and CALM 20 teachers will be held throughout the province during February and March 1993.

The workshops are sponsored by the Alberta Women's Secretariat and Alberta Education, and will be facilitated by Bill Gordon, Counsellor, Bev Facey High School, Strathcona County Schools.

The Edmonton and area workshops have already taken place. The dates for the remaining workshops are:

Red Deer and area —  
Friday, February 26, 1993

Grande Prairie and area —  
Wednesday, March 17, 1993

Fort McMurray and area —  
Friday, March 19, 1993

Calgary and area —  
Thursday, March 25 and  
Friday, March 26, 1993

Lethbridge and area —  
Monday, March 29, 1993

Medicine Hat and area —  
Wednesday, March 31, 1993.



More detailed information and registration forms were sent to all superintendents and junior and senior high school principals.

For more information, contact Gina Vivone-Vernon at 427-2939.

### **Human Sexuality Resources Update**

An updated list of approved learning resources to support the human sexuality themes of the Junior High Health and Personal Life Skills program and the CALM 20 course will be available before the end of March 1993. The list will include print and video resources, and materials that emphasize abstinence. A copy of the list will be sent to all principals and health and CALM coordinators.

For more information, contact Gina Vivone-Vernon at 427-2939.

### **Japanese as a Second Language**

A preliminary annotated list of learning resources has been developed to assist Japanese language teachers select instructional materials. This support document, *A Preliminary Bibliography of Learning Resources*, will be available shortly from the LRDC.

For more information, contact Elaine Harasymiw at 427-2940.

### **Physical Education (French)**

The following teaching resources are available from the LRDC:

- *Carte et boussole* (Les Éditions de l'homme, 1976)
- *Athlétisme* (Bureau de l'éducation française, Manitoba, 1992)
- *Danse — Cycles intermédiaire et supérieur — Partie B — Planification du programme* (Ministère de l'Éducation Ontario, 1992).

For more information, contact Ghislaine Laverne at 427-2940.

### **Social Studies**

The following basic resource is authorized for Social Studies Divisions 3 and 4:

- *Canadian Oxford School Atlas* (6th Edition). It is available from the LRDC.

### **Social Studies Monograph (Grades 7-12)**

The following secondary social studies monograph for teachers is now available from the LRDC:

- *Focus on Current Affairs*, (Alberta Education, 1992).

For more information, contact Joan Engel at 427-2939.

## **JUNIOR HIGH SCHOOL CURRICULUM AND RESOURCES**

### **Art (French)**

The following teaching resources are available from the LRDC:

- Arts plastiques — *Le regard apprivoisé* — 7<sup>e</sup> et 8<sup>e</sup> année, (Guérin éditeurs ltée)
- *Série: histoire de l'art*, l'art asiatique, l'art chrétien et l'art musulman du moyen âge à la renaissance, l'épanouissement de l'art moderne du baroque à nos jours, et naissance de l'art de la préhistoire à l'art romain (Librairie Larousse/Éditions françaises).

For more information, contact René Mathieu at 427-2940.

### **Drama**

- *Creative Communication: Projects in Acting, Speaking and Oral Reading*, Fourth Edition (Tanner, Clark Publishing Co. Inc.).

The fourth edition of this teaching resource is authorized for junior high drama, Grades 7-9 and is available from the LRDC. The third edition is no longer in print but remains authorized.

For more information, contact Mary Lyseng at 427-2939.

### **Drama (French)**

The following teaching resources are available from the LRDC:

- *Brisez la glace! Organisation d'une ligue d'improvisation* (Théâtre Action)
- *L'écriture dramatique, l'écriture scénique* (Centre franco-ontarien de ressources pédagogiques)
- *Le monde du théâtre* (Language Services Branch).

For more information, contact  
René Mathieu at 427-2940.

### Environmental and Outdoor Education (French)

The following teaching  
resources are available from the  
LRDC:

- *Guide de survie en forêt*  
(Éditions du Trécarré)
- *Carte et boussole* (Les  
Éditions de l'homme/Agence  
de distribution populaire).

For more information, contact  
René Mathieu at 427-2940.

### Mathematics (French)

The following are authorized as  
teaching resources for Grades 7  
and 8 and are available from the  
LRDC:

- *L'apprentissage actif — Le  
livre complet de "Cube-A-  
Link" — Activités pour 5<sup>e</sup>-8<sup>e</sup>  
années* (Exclusive, 1989).

For more information, contact  
Ghislaine Lavergne at  
427-2940.

### Science

The *Science Alive* Series  
provides twelve upbeat student  
videos with direct curriculum fit  
and strong STS connections.  
Six videos with supporting print  
booklets are presently available  
(★) with the remaining six  
becoming available between  
now and the end of March 1993.  
Brochures with detailed program  
descriptions and order form are  
available, upon request, from  
the ACCESS Network Media  
Resource Centre at  
1-800-352-8293 (outside

Calgary) or 256-1100 (in  
Calgary).

*Science Alive* Video Series,  
(ACCESS BPN 3155).

#### Science 7

- ★ *Bodywise* (Characteristics  
of Living Things)
- ★ *Design for Exadulto*  
(Structures and Design)
- ★ *Feats* (Force and Motion)
- ★ *A Matter of Taste*  
(Characteristics of Living  
Things).

#### Science 8

- *Criminal Solutions* (Solutions  
and Substances)
- *Mechanical Advantage*  
(Energy and Machines)
- *Terrible Lizard* (The Distant  
Past)
- ★ *The Spruce and the Hare*  
(Interactions and Living  
Things).

#### Science 9

- ★ *Designer Dogs* (Diversity of  
Living Things)
- *Northern Inferno* (Heat  
Energy: Transfer and  
Conservation)
- *Corrosion* (Chemical  
Properties and Changes)
- *Dangerous Rays*  
(Environmental Quality).

For more information, contact  
Bev Romanyshyn at 427-2984.

### Social Studies

#### Social Studies 7

Resources are currently under  
review for Topic 7A.

#### Social Studies 9

The following basic resource is  
authorized for Topic C and is  
available from the LRDC:

- *Technology and Change in  
Canada: Media Supplement  
Kit* (Weigl Educational  
Publishers, 1992).

#### Social Studies 9, Topic B

Changes to Topic 9B are  
currently being taken forward for  
Ministerial approval. Once the  
changes are approved, copies  
will be sent to schools along with  
the teacher resource supplement  
for Topic 9B. It is projected this  
will be sent to schools in  
February/March 1993.

Resources are currently under  
review for Topic 9B. New  
resources will be authorized for  
this topic this spring.

For more information, contact  
Joan Engel at 427-2939.

### Social Studies (French)

The following is authorized as a  
basic resource for both  
francophone and immersion  
programs and is available from  
the LRDC:

#### Grade 7, Topic C

- Collection les premières  
nations — *Nitassinan — Notre  
territoire* (Graficor, 1990).

For more information, contact  
Alain Nogue at 427-2940.

# SENIOR HIGH SCHOOL CURRICULUM AND RESOURCES

## Art

The following resources are authorized:

- *Art Fundamentals: Theory and Practice* (Ocvirk, Bone, Stinson and Wigg, William C. Brown). The sixth edition of this basic text is authorized for Art 10-20-30 and is available from the LRDC. The fifth edition is no longer in print but remains authorized.
- *A Basic History of Art*, Fourth Edition, Janson and Janson (Prentice-Hall). The fourth edition of this basic resource is authorized for Art 21 and is available from the LRDC. The third edition is no longer in print but remains authorized.
- *Nevelson: A Life's Work*, Part I — *Objects Found*; Part II — *Visions Formed*. Videos. (Educational Dimensions/ School Services of Canada). The programs document the works and approach to art of Louise Nevelson, generally recognized as the master of assemblage sculpture; the creation of "an environment through sculpture". The resource is authorized as a support resource for Art 7, 8, 9; Art 10-20-30; and Art 11-21-31. It is available through the LRDC.

For more information, contact Mary Lyseng at 427-2939.

## Art (French)

The following resources are available from the LRDC:

### Basic Resources

- *Rudiments d'arts plastiques* (Centre éducatif et culturel)
- *Arts plastiques — Le regard approuvé — 7<sup>e</sup>-8<sup>e</sup> années* (Guérin éditeurs ltée)
- *À la découverte de l'art canadien* (les Éditions HRW ltée)
- *Les secrets du croquis*, Série: l'artiste au travail (Éditions Marcel Broquet/Diffusion Prologue inc.)
- *Le groupe des sept — Images d'une rive nord*, vidéo (Musée des beaux-arts de l'Ontario)
- *Sculpture — Trousse pédagogique pour enseignant(e)s*, diapositives et guide d'accompagnement (Musée des beaux-arts de l'Ontario)
- *Oeuvres de la collection du Musée des beaux-arts de l'Ontario*, Art canadien 1700-1910, 1910-1945, 1945-1970, 1970-1980, Henry Moore sculpteur (Musée des beaux-arts de l'Ontario).

The following English titles are also authorized for use in the French language classrooms and are available from the LRDC:

- *Art 21: Booklet of Reproductions* (Alberta Education).

## Support Resources

- *Art First Nations: Tradition and Innovation* (Les éditions l'image de l'art inc.)
- *The Dream Machine: Volume One — The Visual Computer*
- *Computer Dreams: Volume Two*, disque laser (The Voyager Company).

## Teaching Resources

- *A chacun son image — À la découverte des arts plastiques* (Guérin éditeurs ltée)
- *Série: histoire de l'art* (l'art asiatique, l'art chrétien et l'art musulman du moyen âge à la renaissance, l'épanouissement de l'art moderne du baroque à nos jours, et naissance de l'art de la préhistoire à l'art romain) (Librairie Larousse/Éditions françaises).

For more information, contact René Mathieu at 427-2940.

## Basic Business

### Basic Business 30, Distance Learning

The Alberta Distance Learning Centre student modules, assignment booklets, companion audiotapes and learning facilitator's manual for teachers are now available from the LRDC. The course is based on the textbook *Business in the Canadian Environment* (Third Edition by Fuhum).

For more information, contact John Punko in Barrhead at 674-5333.



## Career and Technology Studies (CTS)

The CTS Conference '93 will be held April 22-24, 1993 at the Fantasyland Hotel in Edmonton. The conference is co-sponsored by the Home Economics Council, the Business Education Council and the Industrial Education Council. Come and meet the new Minister of Education, the Honourable Halvar Jonson.

For more information, contact the CTS Conference '93, P.O. Box 7484, Edmonton, Alberta, T5E 6K1.

## **Enterprise and Innovation**

In March 1993, the University of Calgary will be offering a quarter-credit course (EDIS 505.99) called *Facing the Future: Facilitating Enterprise and Innovation*. The National Entrepreneurship Development Institute (NEDI) provided the initiative for the development of the course. The class is fully booked, but there is a waiting list.

For more information, contact the University of Calgary's Inservice Office at 220-5623.

## **Field Review**

The 1992-93 CTS field review of Tourism Studies, Design Studies, Food Studies, Legal Studies, Communication Studies, Management and Marketing Studies, Financial Management, Information Processing, Construction Technologies, Agriculture, Energy and Mineral Resources, Forestry, Wildlife, and Work Experience is nearing completion. Ninety-six teachers at 71 schools participated. Debriefing is scheduled for February.

For more information, contact Sharon Prather at 427-2984.

## Drama (French)

The following teaching resources are available from the LRDC:

- *Être Acteur* (Pygmalion/Gérard Watelet/Librairie théâtrale)
- *Expression dramatique* (Éditions Prise de Parole)
- *Brisez la glace! Organisation d'une ligue d'improvisation* (Théâtre Action)
- *L'écriture dramatique, l'écriture scénique* (Centre franco-ontarien de ressources pédagogiques)
- *Le monde du théâtre* (Language Services Branch).

For more information, contact René Mathieu at 427-2940.

## Driver and Traffic Safety Education 10

In Driver and Traffic Safety Education 10, the student must receive 80% or more on the school or government exam, plus 75% or more on the in-car portion of the test. If the student did not receive a mark of 75% on the in-car portion of the test, the student can go to the Alberta Government Licensing Office, pass a road test, bring this information to the Regional Office of Alberta Education and be issued the certificate.

Certificates will continue to be issued from Regional Offices of Alberta Education for insurance purposes.

For more information, contact Scotty Day at 427-2984.

## English Language Arts

Several new resources are authorized for senior high English language arts.

- *WordPerfect* Versions 5.1 IBM and 2.1 Apple II GS are presently authorized as basic student learning resources for English 10, 13, 20, 23, 30 and 33. The new Mac Version 2.1 of *WordPerfect*, 1992, is now authorized as a basic resource as well and is available from the LRDC.
- The video series *Communicating with a Purpose*, produced by ACCESS Network, is now authorized as a support resource for English 30. It consists of seven 30-minute programs: *Effective Communication*; *Style*; *The Spectrum of Literature*; *Non-Fiction*; *The Persuasive Essay*; *Klee Wyck, An Autobiography as Non-Fiction*; and *The Research Paper*. It is available from ACCESS Network.

A number of Shakespearean plays in the Oxford School Shakespeare series have recently been revised. While the texts of the plays remain unchanged, they have new covers and new notes and questions. The following basic student resources are authorized for the courses noted, and are available from the LRDC:

- *Hamlet*, English 30 and 33; this book is new and was not available previously, 1992
- *A Midsummer Night's Dream*, English 10, revised 1992
- *Julius Caesar*, English 10, revised 1992
- *Romeo and Juliet*, English 10 and 13, revised 1992

- *The Merchant of Venice*, English 10 and 13, revised 1992
- *Twelfth Night*, English 13, revised 1992
- *Macbeth*, English 20 and 23, revised 1992
- *The Taming of the Shrew*, English 33, revised 1992.

For more information, contact Barbara Esdale at 427–2939.

### English Language Arts 13, Distance Learning

The Alberta Distance Learning Centre student modules, assignment booklets, companion audiotapes and learning facilitator's manual for teachers are now available from the LRDC. The course is based on the textbooks *Destinations: Accelerate*, and *Destinations: Fast Forward* (Prentice-Hall).

For more information, contact John Punko in Barrhead at 674–5333.

## French as a Second Language

### Course Codes

The following are the course codes for the new French as a Second Language programs at the senior high school level:

#### Beginning Level

French 13	1305
French 10	1309

#### Intermediate Level

French 20	2309
French 30	3309

#### Advanced Level

French 31a★	3306
French 31b★	3307
French 31c★	3308

★ Being validated. Approval anticipated for the 1993–94 school year.

For more information, contact Wally Lazaruk at 427–2940.

The **Advanced** level French as a Second Language courses French 31a, French 31b and French 31c have been validated in Alberta schools and will be recommended for approval in March 1993 and for provincial implementation commencing in September 1994. It is expected that French 31a, French 31b and French 31c will be available for optional implementation commencing September 1993.

For more information, contact Wally Lazaruk at 427–2940.

The following basic learning resources are authorized for the **Beginning** and **Intermediate** levels of the senior high school program. They are available from the LRDC.

### Beginning Level

#### French 13

- *Arc-en-ciel 1* (Mary Glasgow).

#### French 10

- *Arc-en-ciel 2* (Mary Glasgow)
- *Entrez 1* (Copp Clark).

### Intermediate Level

#### French 20

- *Arc-en-ciel 3* (Mary Glasgow)
- *Entrez 2* (Copp Clark)
- *Passages 3* (Addison-Wesley)
- *Réflexions*, collection of readings (D.C. Heath).

### French 30

- *Arc-en-ciel 4* (Mary Glasgow).

Other new basic learning resources will be added to this listing as they become available and are evaluated and validated successfully.

For more information, contact Wally Lazaruk at 427–2940.

### French 13, Distance Learning

The Alberta Distance Learning Centre student modules, assignment booklets, companion audiotapes and learning facilitator's manual for teachers are now available from the LRDC. The course is based on the textbook *Arc-en-ciel 1* (Mary Glasgow).

For more information, contact John Punko in Barrhead at 674–5333.

## Mathematics

### Mathematics Distance Learning

- *Zap-A-Graph* by Brain Waves Inc. is now available. It is an easy-to-use mathematics graphing application tool for Macintosh microcomputers and the software is appropriate for all senior high mathematics courses. *Zap-A-Graph* allows students to interact directly with on-screen data, to manipulate graphic functions and to discover mathematical relationships. *Zap-A-Graph* can be obtained free of charge by sending a **blank disk** to: Instructional Technology and Media, Alberta Distance Learning Centre, Box 4000, Barrhead, Alberta, T0G 2P0.



The release version of the CD-ROM for Math 30 CAI (now known as Mathematics Level Four CAI) is available.

Please note that the license for the beta release expired January 31, 1993.

For more information, contact Rik Hall in Barrhead at 674-5333.

### Mathematics (French)

#### **Mathematics 31 (Basic Resource)**

- *Le calcul différentiel et intégral par la résolution de problèmes* (Lidec Inc., 1992). It is available from the LRDC.

For more information, contact Ghislaine Lavergne at 427-2940.

### Music

#### **General Music 10-20-30**

The field test for the new General Music 10-20-30 Program of Studies and resources has concluded. The evaluation wrap-up is underway and a meeting of the Senior High School Music Advisory Committee is scheduled for March 1-2, 1993 to finalize the project. It is anticipated that the new program and resources will be ready for full implementation in the 1993-94 school year.

For more information, contact Mary Lyseng at 427-2939.

### Registered Apprenticeship Program (RAP)

#### **Off Campus Occupational Program**

If you are interested in a partnership between a student and a business in an occupational area (not one of the 52 apprenticeship grades) using the RAP model, contact Scotty Day at 427-2984.

### Science

#### **Science 10**

Science 10 is a course designed for students who have experienced success in mathematics and science at the junior high school level. It serves the same clientele as the previous Biology, Chemistry and Physics 10 courses. Science 14 is the course designed for students who experience difficulty in junior high school science and mathematics. Proper initial placement avoids the disruption of shifting students misplaced in Science 10 to Science 14 early in the school year.

Ideally, Science 10 students should attain at least 60% to proceed to Science 20. Science 20 is broader in scope but requires comparable skills to those needed in Biology, Chemistry or Physics 20. Science 20 is not an appropriate course for students weak in science or mathematics. It is much more quantitative than the Science 10 course. In the current field validation, some students who lack mathematics are experiencing difficulty meeting the curriculum objectives of Science 20. Students experiencing difficulty with Science 10 should be advised to take Science 24

rather than Science 20 or any 20-level discipline science.

For more information, contact Raja Panwar at 427-2984.

#### **Science 10, Unit 3: Matter and Energy in Chemical Change**

Some teachers have inquired about the depth of treatment required for this unit of Science 10. Generally, a practical approach using common, simple examples for illustration is to be emphasized over theoretical explanations and examples that cannot be placed in a context. If you would like further guidelines, a *Concept Depth* sheet is available, upon request, from your Alberta Education Regional Office Science Education Consultant or from the Curriculum Branch.

For more information, contact Stella Shrum at 427-2984.

#### **Science 20**

September 1993 brought in the implementation of Science 20, Biology 20, Chemistry 20 and Physics 20. To provide teachers with sample activities and assessment strategies, coupled with the latest program and resource information, members of the Curriculum Branch Science Team will present several pre-registered day-long sessions around the province in March of 1993. School jurisdictions have been invited to sponsor teachers to attend these sessions. Last spring, the six sessions offered on Science 10 were attended by over 400 teachers, with several sessions being oversubscribed. It is hoped the addition of the three extra sessions will alleviate this problem. Plan to attend if you are teaching the new 20-level science courses next school year. The session schedule is as follows:



March 5, 1993 — Calgary,  
Bishop Carroll High School

March 10, 1993 — Vegreville,  
Vegreville Composite High  
School

March 12, 1993 — Grande  
Prairie Regional Office of  
Alberta Education

March 15, 1993 — Red Deer  
Regional Office of Alberta  
Education

March 16, 1993 — Lethbridge,  
Lethbridge Community College,  
Residence Activity Centre

March 17, 1993 — Airdrie,  
George McDougall School

March 25, 1993 — Edmonton,  
Barnett House

March 26, 1993 — Edmonton,  
Barnett House (repeat session)

April 7, 1993 — Barrhead,  
Alberta Distance Learning  
Centre.

For more information, contact  
Bev Romanyshyn at 427-2984.

### **Assessment Resource Packages for 20-Level Sciences**

Sample unit and final  
examination packages for  
Science 20, Biology 20,  
Chemistry 20 and Physics 20  
have been developed and will  
be available through the LRDC  
in late spring. As with the  
Science 10 Assessment  
Resource Packages, they will be  
made available in three formats:  
LXR-test disk (Macintosh),  
ASCII disks (Mac or DOS) or  
hard copy.

For more information, contact  
Bev Romanyshyn at 427-2984.

### **Science 30**

The University of Calgary and  
the University of Lethbridge  
accept Science 30 as a science  
for entrance into their first-year  
programs. The University of  
Alberta will accept Science 30  
as a Category C subject for  
admission. Science 30 will  
provide the prerequisite for  
several first-year science  
courses that satisfy the science  
requirements of a variety of  
faculties. A list of these courses  
and faculties was compiled and  
distributed to all school  
jurisdictions and senior high  
schools in late December.

For more information, contact  
Raja Panwar at 427-2984.

### **Video Series**

The following six new ACCESS  
Network video programs are  
scheduled to be available early  
in 1993. The new programs  
deal with difficult concepts in the  
new Biology 20-30, Chemistry  
20-30 and Physics 20-30  
programs (ACCESS BPN 3022).

- *Superposition of Waves* —  
BPN 3022-10
- *Thin Film Interference* —  
BPN 3022-11
- *The Chemistry of Solutions* —  
BPN 3022-12
- *Reversible Reactions and  
Dynamic Equilibrium* —  
BPN 3022-13
- *Protein Synthesis* —  
BPN 3022-14
- *Movement of Matter Through  
Cell and Organelles  
Membranes* — BPN 3022-15.

For more information, contact  
ACCESS Network Media  
Resource Centre at  
1-800-352-8293 (outside of  
Calgary) or 256-1100 (in  
Calgary).

### **Science (French)**

The following resources are  
available from the LRDC:

### **Physics 20-30**

#### **Basic Resources**

- *Éléments de physique* —  
Cours d'introduction (Les  
Éditions de la Chenelière  
inc., 1992)
- *Principes fondamentaux de la  
physique* — Un cours avancé  
(Guérin éditeurs ltée, 1992).

### **Biology 20-30**

#### **Teaching Resource**

- *Biologie — Évolution,  
diversité et environnement*  
(Éditions Reynald Goulet inc.,  
1988).

For more information, contact  
Ghislaine Lavergne at  
427-2940.

### **Social Studies**

#### **Social Studies 30 and 33**

The minor changes to the  
programs of studies for Social  
Studies 30 and 33 are currently  
in the approval process. Once  
final approval is obtained,  
copies will be distributed to  
schools.

For more information, contact  
Joan Engel at 427-2939.

### **Social Studies (French)**

The following resources are  
available from the LRDC:

### **Social Studies 20B (Basic Resource)**

- *Géographie — Le nouveau système monde* — Term. ABCD (Belin/Modulo Éditeurs inc., 1992).

### **Social Studies 23A (Basic Resource)**

- *L'évolution du monde moderne* — Cahier (Language Services Branch).

### **Teaching Resource**

- *L'évolution du monde moderne: Guide de l'enseignant(e) et audiocassette* (Language Services Branch).

### **Social Studies 23B (Teaching Resource)**

- *Les défis de notre monde* — Guide (Language Services Branch).

### **Social Studies 30B (Support Resource)**

- *Atlas historique illustré du XX<sup>e</sup> siècle* (Éditions Solar/Agence de Distribution Populaire, 1991).

For more information, contact Alain Nogue at 427-2940.

## **OTHER NEWS**

### **Petroleum Communication Foundation**

Science curriculum materials and information on Canada's oil and gas industry are available from the Petroleum Communication Foundation in Calgary. Geared to secondary students, the foundation's publications discuss petroleum-

related issues in an environmental, societal and economic context. Of particular interest is a background on the benefits of the industry to Alberta. Industry videos can be borrowed.

For more information, contact Merry Chellas, executive director of the foundation, in Calgary at 264-6064 or fax 237-6286.

### **AFEE Conference**

The 1993 Alberta Foundation for Economic Education conference will be held April 16 and 17, 1993 at the Fantasyland Hotel in Edmonton. "Economic Innovations and Your Future Lifestyle" is the theme of the conference. Topics include: opportunities emerging in the new economic order, the global marketplace, the environment and the economy. Of special interest to teachers will be a workshop on the Enterprise and Innovation program. The conference will be of interest to high school students, teachers, business people and labour representatives.

For more information, contact the foundation at 421-9331.

### **Parliamentary Essay Contest**

Grade 6 students are invited to submit essays to the Parliamentary Essay Contest sponsored by the Alberta Branch of the Commonwealth Parliamentary Association. This year's topic is a general review of any present member country of the Commonwealth. Essays must be 750 words or less and handwritten. Essays are judged in four rounds — first the classroom teacher selects an entry to submit to the

superintendent who selects the best entry to submit to the district/division level. The grand prize winner is chosen from among those essays submitted by the school districts/divisions to the Office of the Speaker. Entries must be submitted to the Office of the Speaker on or before April 30, 1993.

The grand prize winner and his or her family will be invited by the Speaker of the Legislative Assembly to an award presentation and reception in the Legislature Building.

For more information, contact Robert Day, Office of the Speaker at 427-2464.

### **Fine Arts Conference — Artsurround '93**

At the upcoming Fine Arts Conference — Artsurround '93, March 19-21, in Kananaskis, the Curriculum Branch will present and make available for preview as many of the new art, music and drama resources as possible. Resources in all formats, print, video, laserdisc, overhead transparency, computer, will be available for previewing. A session will be presented Saturday morning and the room will then remain open for previewing for the rest of the day.

For more information, contact The Alberta Teachers' Association Fine Arts Council at 453-2411.

### **Interdepartmental Committee**

An Arts and Education Ad Hoc Committee, representing culture, multiculturalism and education, has been formed to help establish cooperative processes



and partnerships among the arts community, schools and Alberta Education.

For more information, contact Merv Thornton or Mary Lyseng at 427-2939.

### CRB Foundation Heritage Project

The first 25 *Heritage Minutes* are now available through ACCESS Network. These are available in French or English and will be accompanied by a print package of suggested activities. It is recommended that teachers preview and select those minutes that meet the needs of students in their communities. These minutes are most appropriate for secondary school students and could be related to subject matter in various program areas, such as social studies and language arts.

The *Heritage Minutes* and print materials are now available from ACCESS Network (please specify French or English).

For more information, contact Joan Engel at 427-2939.

### Anti-racism Campaign Materials

Multiculturalism and Citizenship Canada will be distributing materials to all schools in Alberta in recognition of the March 21, 1993 Anti-racism Campaign. This material consists of the following:

- A *Winning Ideas* booklet directed to elementary students
- A *Winning Ideas* booklet directed to secondary students

- A teachers' guide that provides both elementary and secondary teachers with materials to be used in the classroom. The guide is designed to help raise awareness of racism and racial discrimination and prepare students for living in a diverse society.

Details of a "Together We're Better Contest" will be included in the material. This contest is a forum for students to focus their energies and express their ideas and thoughts about living in a society where mutual respect and equality are fundamental values in an increasingly diverse Canada.

These materials should reach schools within the next month.

For more information, contact Joan Engel at 427-2939.

### Canadian Foundation for Economic Education

The newest resource available from the Canadian Foundation for Economic Education is:

- *Issues in the Canadian Economy — The Asia Pacific Nations: Opportunities and Challenges for Canada.*

For more information, contact the Canadian Foundation for Economic Education, 2 St. Clair Avenue W., Suite 501, Toronto, Ontario, M4V 1L5, Fax (416) 968-0488.

### National Geographic Society — 1993 Summer Geography Institute

As the world's largest non-profit organization, the National Geographic Society seeks to foster the teaching and learning

of geography in schools. In this regard, the Geography Education Program invites Canadian K-12 educators to apply for participation in the 1993 Summer Geography Institute (SGI), to be held at society headquarters in Washington, D.C., from July 1-29, 1993. Educators from Ontario, Manitoba, Alberta, Saskatchewan, British Columbia, Northwest Territories and the Yukon are eligible. A total of six educators will be chosen to represent Canada.

For more information, contact Joan Engel at 427-2939.

### Fellowships in Environmental Education

FEESA (Friends of the Environmental Education Society of Alberta) is organizing several institutes in environmental education for educators interested in background information and teaching strategies in the following areas:

- Forestry Education Institute, July 5-10, 1993 and July 11-16, 1993 Kananaskis Centre and Blue Lake Centre
- Atmospheric Change Education Institute, July 19-24 and July 25-30, Kananaskis Centre and Edmonton
- Science — Technology — Society (STS) Education Institute, July 25-31, Blue Lake Centre.

For more information, contact Jim Martin, FEESA, 9939 Jasper Avenue, Edmonton, Alberta, T5J 2X5, Telephone 421-1497.



## Science Curriculum Series

This new resource package from the Petroleum Communication Foundation provides STS activities for students in the Science 10–20–30 program as well as the new Chemistry 20–30 program. Titles of the four case studies are:

- *Applied Chemistry: The Refining of Crude Oil*
- *Environmental Chemistry: From Sour Gas to Natural Gas*
- *Wise Use of Petroleum Resources: The Car in Our Daily Lives*
- *Industry and Society: The Development of Natural Gas in a Northern Community.*

The case studies are laid out with teacher notes, overheads and student sheet masters. Activities emphasize student involvement in background research, cooperative learning and role playing, and encourage

critical thinking. Additional background videos and print material are available upon request.

For more information, contact the Petroleum Communication Foundation, Suite 1250, 633 – 6th Avenue SW, Calgary, Alberta, T2P 2T5 or Tania Krueger at 264–6064, Fax 237–6286.

## ACCESS Network Moves

ACCESS Network has moved to 11230 – 110 Street, Edmonton, Alberta, T5G 3G8. Telephone 491–3272, Fax 491–3201. The Media Resource Centre in Calgary has not been affected.

## Automotive Trouble Shooting Contest

The Alberta Motor Association is bringing the Chrysler Automotive Trouble Shooting Contest back to Alberta in April 1993. The aim of the contest is to encourage high school

students to pursue careers in the automotive service field.

For more information, contact Randy Loyk, Alberta Motor Association, 10310 – 39A Avenue, Box 8180, Station S, Edmonton, Alberta, T6H 5X9.

**Connection** is a publication of Alberta Education. For more information or for additional copies, contact the Editor, Curriculum Branch, 5th Floor, East Tower, Devonian Building, 11160 Jasper Avenue, Edmonton, Alberta, T5K 0L2, Telephone 422–4872, Fax 422–5129.

We welcome your comments and suggestions.

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## Registration Form for Outcome-Based Education: A Canadian Context

The conference registration fee prior to March 25, 1993 is \$260 per person for school or district teams of five or more, or \$300 for individuals. After March 25, 1993 the fee is \$350 per person (fees include GST).

Name (please print)	Telephone	Name (please print)	Telephone
Name (please print)	Telephone	Name (please print)	Telephone
Name (please print)	Telephone	Name (please print)	Telephone
Institution			
Mailing Address			
City	Province	Postal Code	
Please make cheques payable to: <b>OBE Conference</b> , and mail registration and payment to: OBE Conference Fort McMurray Catholic Schools 9809 Main Street Fort McMurray, Alberta T9H 1T7			

(See page 16 for further information on conference)

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# ***Outcome-Based Education***

## **A Canadian Context**

**May 17–19, 1993  
Fantasyland Hotel  
West Edmonton Mall  
Edmonton, Alberta**

**Learn** what outcome-based education is and what it can be  
**Learn** where and how outcome-based education is working for students  
**Prepare** for collaborative implementation of outcome-based strategies in local settings.

### **Keynote speakers**

- Bill Spady — International Consultant in OBE design and implementation
- Jeffrey Simpson — Political Columnist, Toronto *Globe and Mail*
- Ralph Himsl — Superintendent with Lethbridge Catholic Schools, and expert on values-based outcomes
- Roger Palmer — Assistant Deputy Minister, Alberta Education.

### **Conference topics will include:**

- Transformational OBE processes and strategies
- Practical principles that promote student success in classrooms
- Strategic design and planning processes helpful in beginning the OBE process
- Researched results of OBE
- Multi-dimensional assessment
- Mastery learning
- Values in education
- Outcome-based instructional delivery
- Student-led conferencing
- Results-based curriculum
- Developing exit and program outcomes.

### **Showcase sessions**

- Offer practical strategies from people with experience in OBE
- Show participants how to make OBE a reality in classrooms, schools and districts.

### **Who should attend?**

Teachers, administrators, superintendents, trustees, university personnel, officials from ministries of education and educational associations

The conference is open to anyone involved in education in any part of Canada.

### **Accommodations**

Conference rates at the Fantasyland Hotel, West Edmonton Mall, are \$79 (Superior) and \$99 (Executive). For reservations, call the Fantasyland Hotel: 444-3000 or Toll Free 1-800-661-6454, Fax: 444-3294. Mailing address: 17700 – 87 Avenue, Edmonton, Alberta, T5T 4V4.

### **For more information**

Inquiries about the conference should be directed to Phyllis Geddert, Fort McMurray Catholic Schools, 743-3325 or Bernie Galbraith, Alberta Education, 422-4872.

**See page 15 for registration form.**

**Alberta**  
EDUCATION